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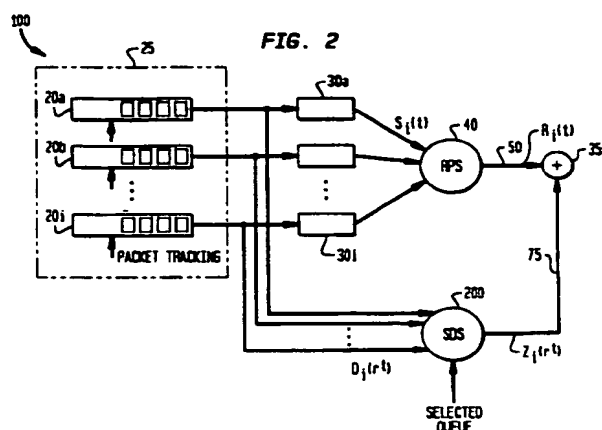
(71) Applicants:
• LUCENT TECHNOLOGIES INC.
Murray Hill, New Jersey 07974-0636 (US)
• AT&T Corp.
New York, NY 10013-2412 (US)

(72) Inventors:
• Duffield, Nicholas G.
Hoboken, New Jersey 07030 (US)
• Stiliadis, Dimitrios
Middletown, Monmouth, NJ 07748 (US)
• Lakshman, Tirunellai Viswanathan
Eatontown, Monmouth, New Jersey 07724 (US)

(74) Representative:
Buckley, Christopher Simon Thirsk et al
Lucent Technologies (UK) Ltd,
5 Mornington Road
Woodford Green, Essex IG8 0TU (GB)

(54) Fair queuing system with adaptive bandwidth redistribution

(57) Apparatus for routing packets in a communication network comprises a plurality (100) of per-connection queues (20a-20i), each queue established for receiving packets from a respective source and temporarily storing received packets before routing to a particular destination; a weighted fair-queuing scheduler (40) for servicing packets from each of the plurality of per-connection queues at guaranteed pre-allocated rates; a sensing device for sensing a presence or absence of packets in queues, the absence of packets in queues indicating availability of excess bandwidth; and, a state dependent scheduler (200) for redistributing excess bandwidth upon sensing of queues absent packets, the state dependent scheduler (200) servicing those queues in accordance with a state variable corresponding to a performance property of the queues, wherein delay and isolation properties for routing packets of respective queues in weighted fair-queuing is preserved.



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EUROPEAN SEARCH REPORT

Application Number
EP 98 30 0754

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			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H04L H04Q
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 9 June 1999	Examiner Eraso Helguera, J
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 98 30 0754

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